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REPORT ON THE 1983 SAINT JOHN RIVER AUTOMATIC WATER QUALITY MONITOR DATA AT GRAND FALLS, N.B.

IWD-AR-WQB-84-66

INLAND WATERS DIRECTORATE
ATLANTIC REGION
WATER QUALITY BRANCH
MONCTON, NEW BRUNSWICK

REPORT ON THE 1983 SAINT JOHN RIVER AUTOMATIC WATER QUALITY MONITOR

DATA AT GRAND FALLS, N.B.

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Inland Waters Diectorate

Environment Canada

Geoffery Howell

Richard Bingham

Water Quality Branch

Atlantic Region

Moncton, New Brunswick

June 18, 1984

A copy will be made available in French upon request.

LETTER OF TRANSMITTAL

Water Quality Branch
Inland Waters Directorate
Environment Canada
P. O. Box 861
Moncton, N.B.

Dr. P. E. Belliveau, Chairman
International Technical Advisory Subcommittee
on Water Quality in the Saint John River

Dear Dr. Belliveau

The Water Quality Branch is pleased to transmit to you a report on the 1983 Automatic Water Quality Monitor data at Grand Falls, N.B. Any questions or comments regarding this data would be welcome.

Yours truly,

T.L. Pollock, Head
Monitoring & Surveys Division
Water Quality Branch

ABSTRACT

This report presents data from the Grand Falls Automatic Water Quality monitor for the period of May 31, 1983 to October 20, 1983. The parameters monitored include water temperature, pH and oxygen saturation. Due to subsystem malfunction, specific conductance measurements could only be taken on an infrequent basis by on-site personnel.

RESUME

Ce rapport présente les données obtenues à l'aide du moniteur automatique de la qualité des eaux de Grand Falls, pour la période s'étalant du 31 mai 1983 au 20 octobre 1983. Les paramètres mesurés sont la température de l'eau, le pH et la saturation en oxygène. Etant donné le mauvais fonctionnement d'un sous-système du moniteur automatique, les mesures de la conductivité spécifique ne purent qu'être prises peu fréquemment par le personnel présent à ce site.

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INTRODUCTION

In order to assist the Canada-U.S. Committee on Water Quality of the Saint John River, the Water Quality Branch (WQB) of Inland Waters Directorate (IWD) operates an Automatic Water Quality Monitor (AWQM) at Grand Falls, N.B.(NAQUADAT STATION # 01NB01AF0005). This AWQM provides hourly measurements of water temperature, percent saturation of oxygen, pH and specific conductance.

This report presents the AWQM data for the period commencing May 31, 1983 and ending on October 19, 1983. All AWQM parameter values were tabulated on a minimum, maximum and mean daily basis. The mean pH values presented in this report are calculated by taking the average of the hourly pH values not H ion concentrations and thus must be viewed with caution. However, the lack of large daily pH fluctuation suggests that the error associated with the calculated mean values is small.

As a consequence of equipment malfunction, no data was obtained for the specific conductance sub-system of the AWQM. The occasional specific conductance values presented in the data tables were measured with a Radiometer conductivity meter by on-site personnel. Malfunctions in the pH electrode resulted in an incomplete pH record during the later two months of operation.

DISCUSSION

Water Temperature:

Water temperature at Grand Falls followed a typical trend during the sampling period in obvious response to variation in solar insolation (Fig. 1-5). An initial temperature of 12.1°C was recorded at the beginning of June and quickly rose to approximately 22°C during the latter part of the month. Temperatures between 20°C and 25°C were recorded during July and August, after which they began a gradual decline in response to shorter day length and reduced light intensity. A similar temporal trend was observed during September and October of the previous year (Bingham and Howell, 1983). The maximum mean daily water temperature was 23.3°C recorded on August 8, 1983 with a minimum daily mean of 8.6°C observed on October 12, 1983.

Oxygen Saturation:

Mean daily oxygen saturation values generally fell between 80 and 100 percent saturation during the first three months of AWQM operation. These slightly undersaturated conditions are characteristic of moderately coloured waters (Birge and Juday, 1911) such as those found at Grand Falls (Mean Colour (1969-1977)=50 H.U.). During the last week of August, oxygen saturation declined rapidly reaching a minimum daily mean value of 44 percent on September 3, 1983. Immediately after September 3, oxgyen saturation increased rapidly, reaching more

characteristic levels by September 10, 1983. These low oxygen saturations are likely to be a response to high oxygen demand during base flow conditions. The seasonal distributions of dissolved oxygen concentration are presented in Figures 6 to 10.

The lower safe level Water Quality Objective given for the Saint John River is an oxygen saturation of 80 percent (ITAS, 1980). Below this level, increased risk of adverse effects on the growth and reproduction of aquatic organisms may occur. This Objective was not met on approximately 30 percent of the days during the period of operation. Most of these saturations which were below 80 percent were observed during August and early September.

pH:

The pH values were extremely stable with mean daily values ranging from 7.1 to 7.6 during the first four months of operation. A few high values (8.1 - 8.7) were observed during October; however, this was during a period of pH subsystem malfunction and thus may be inaccurate data. Seasonal plots of pH are presented in Figures 11 to 13.

REFERENCES

Birge E.A. and C. Juday, 1911. The Inland lakes of Wisconsin. The dissolved gases and their biological significance. Bull. Wis. Geol. Hist. Surv. 22, 259 pp.

Bingham, R.A. and G.D. Howell, 1983. Report on the 1982 Saint John River Automatic Water Quality Monitor Data at Grand Falls, N.B. Inland Waters Directorate Report No. IWD-AR-WQB-83-47. 57 pp.

ITAS, 1980. Review and update of Water Quality Objectives for the International Waters of the Saint John River Basin. A Report on the International Technical Advisory Subcommittee on Water Quality in the Saint John River Basin. September, 1980. 61 pp.

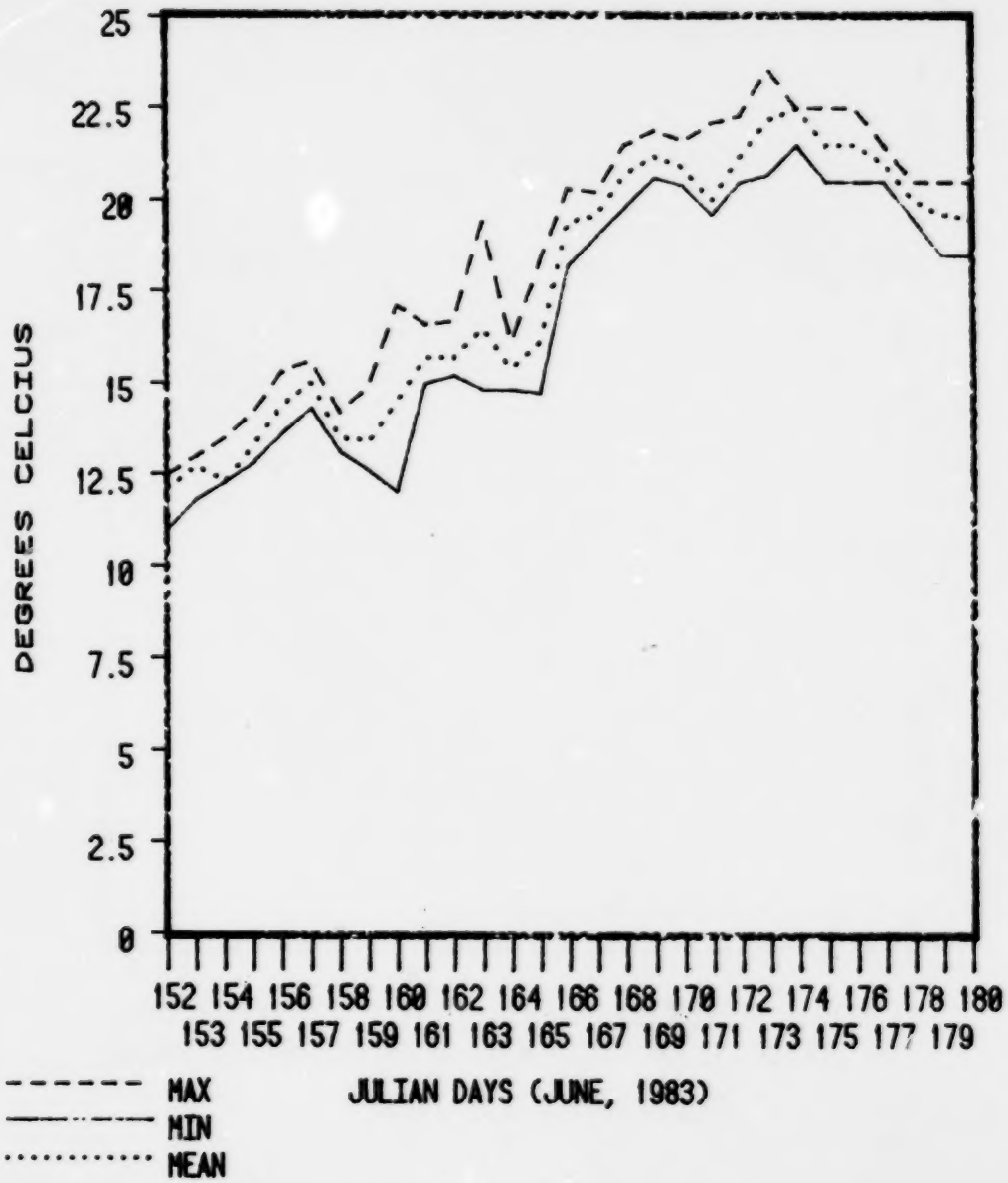
LIST OF FIGURES

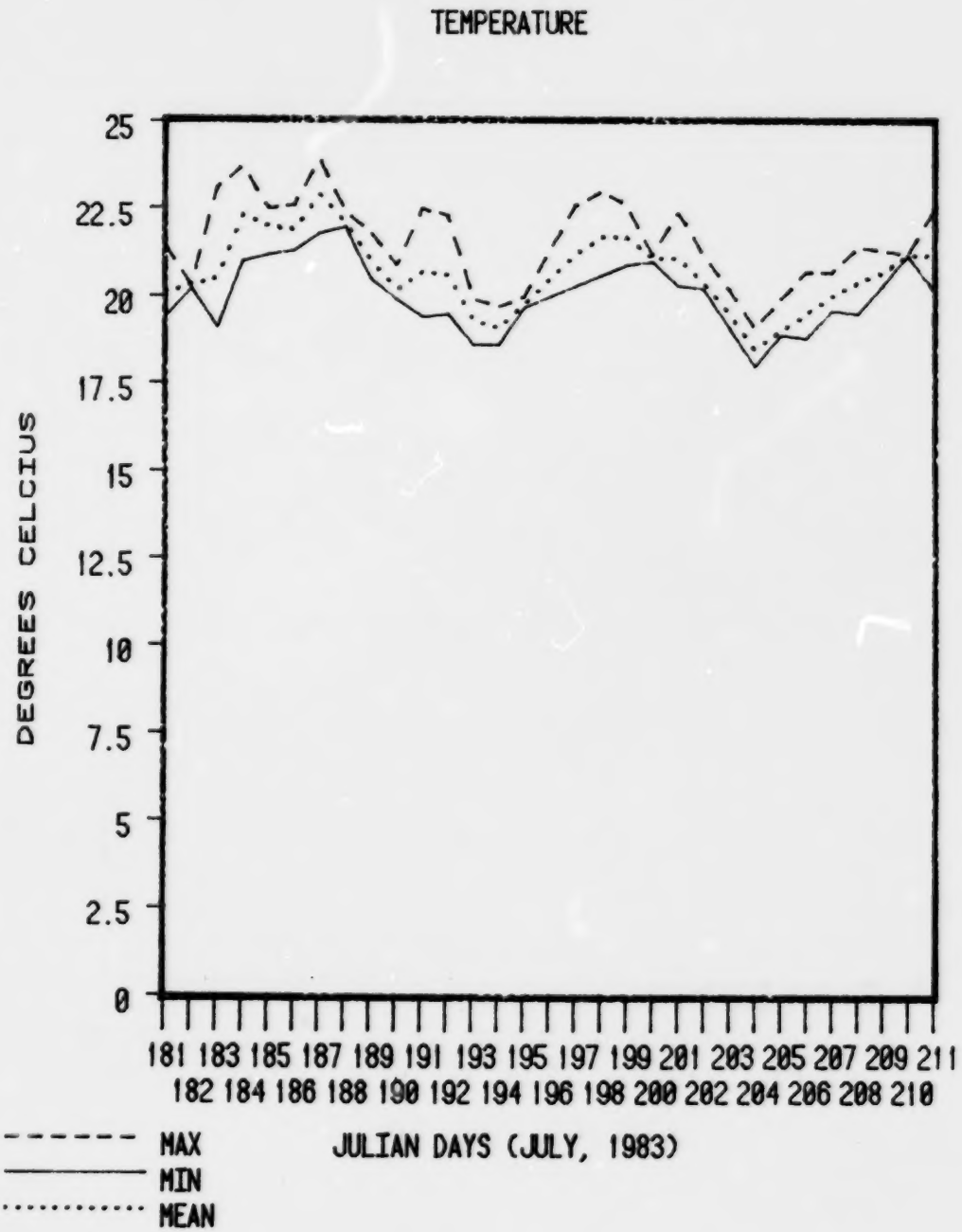
Figures 1 - 5: Seasonal variation in daily minimum, maximum and mean values of water temperature.

Figures 6-10: Seasonal variation in daily minimum, maximum and mean values of dissolved oxygen saturation.

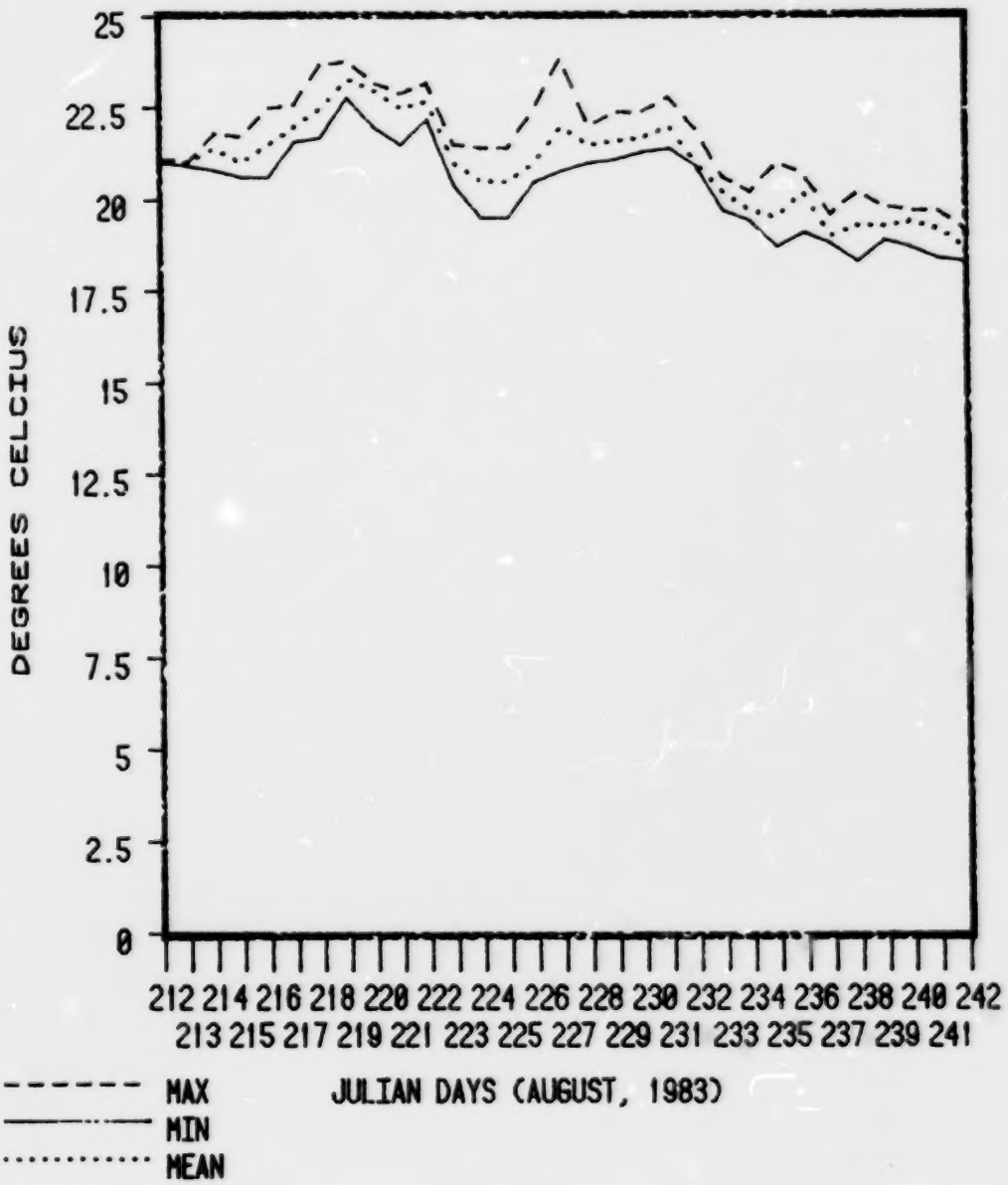
Figures 11-13: Seasonal variation in daily minimum, maximum and mean values of pH.

TEMPERATURE




TEMPERATURE
DEGREES CELCIUS
25
22.5
20
17.5
15
12.5
10
7.5
5
2.5
0
181 183 185 187 189 191 193 195 197 199 201 203 205 207 209 211
182 184 186 188 190 192 194 196 198 200 202 204 206 208 210
JULIAN DAYS (JULY, 1983)
MAX
MIN
MEAN

TEMPERATURE



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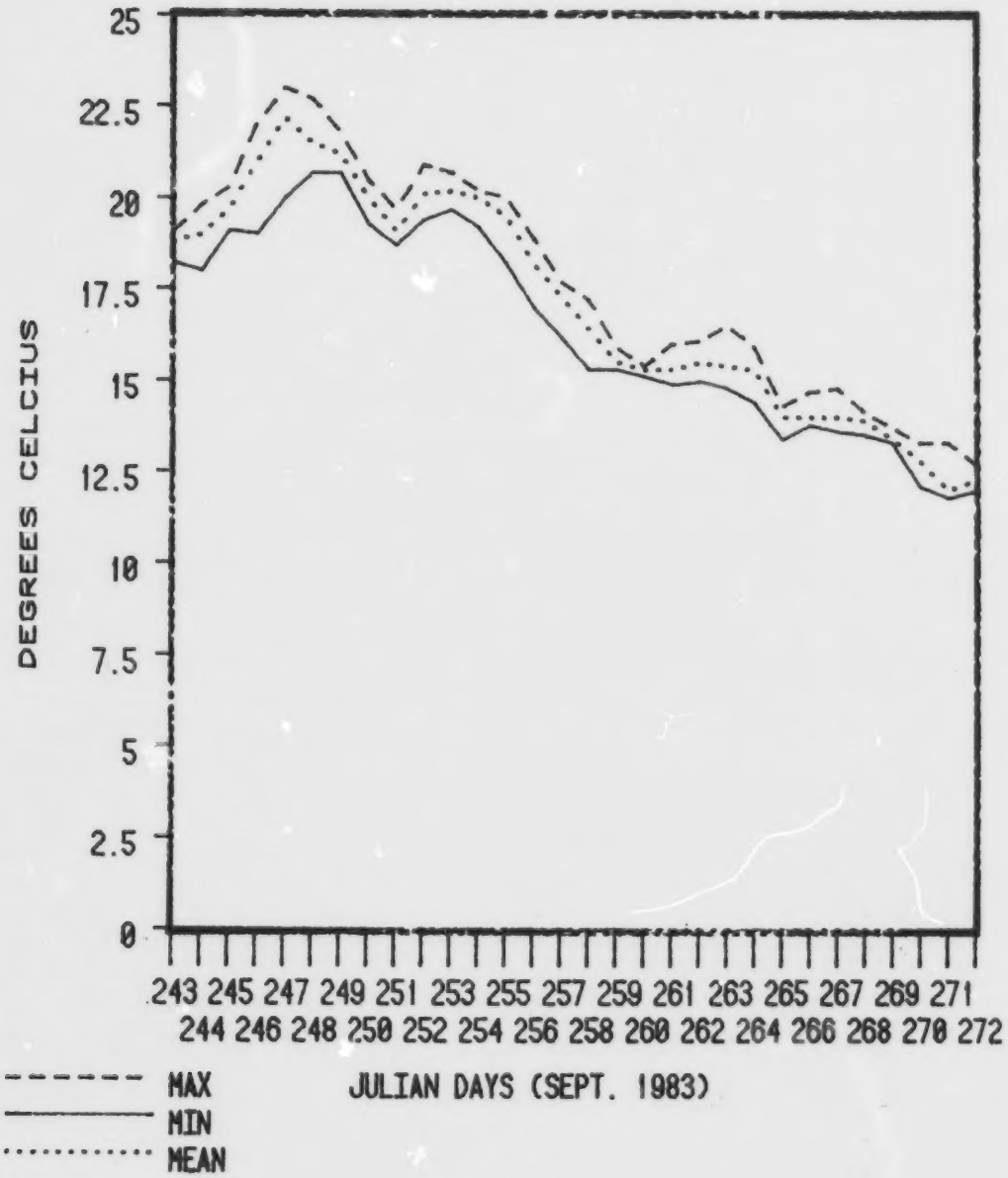

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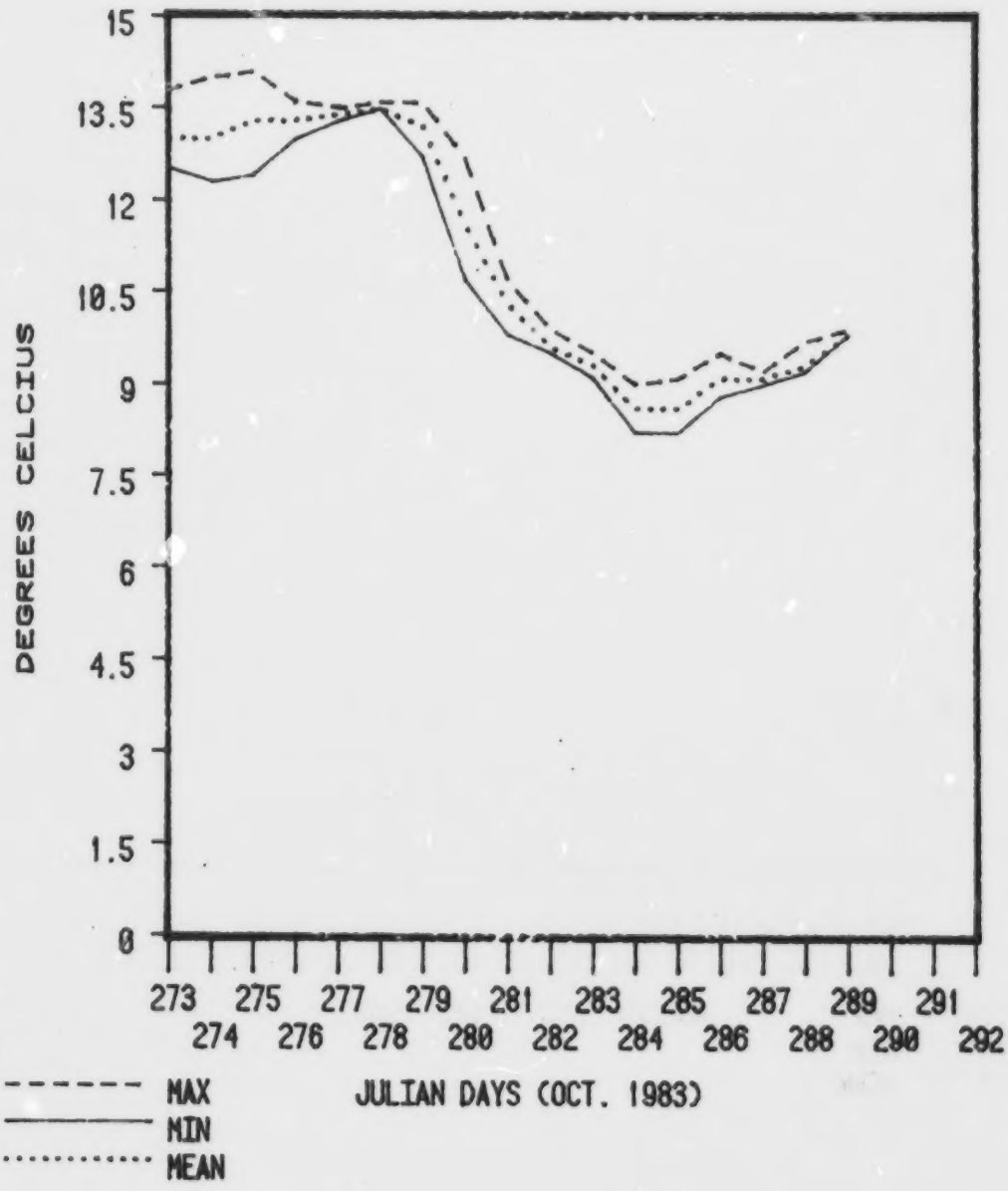
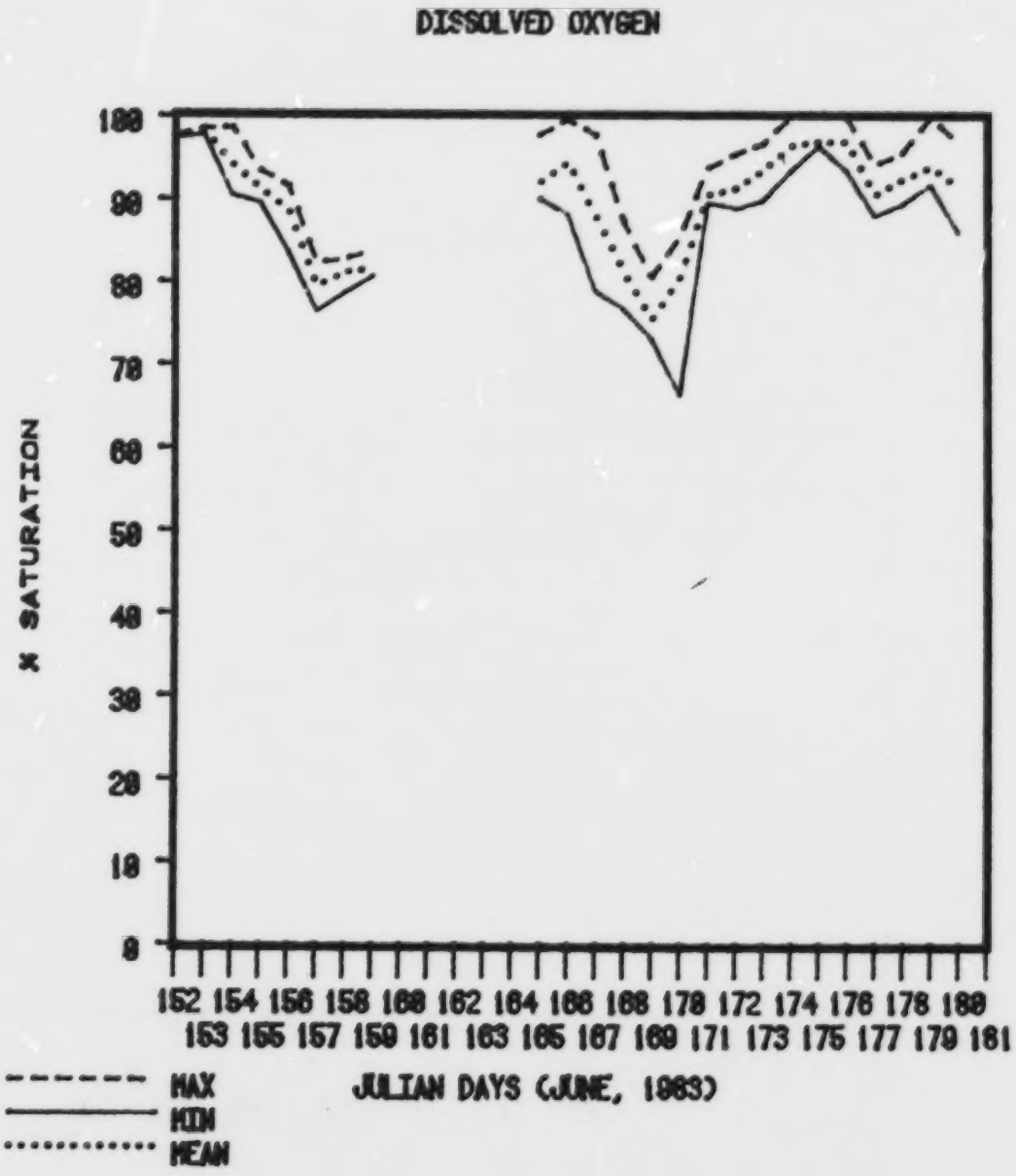
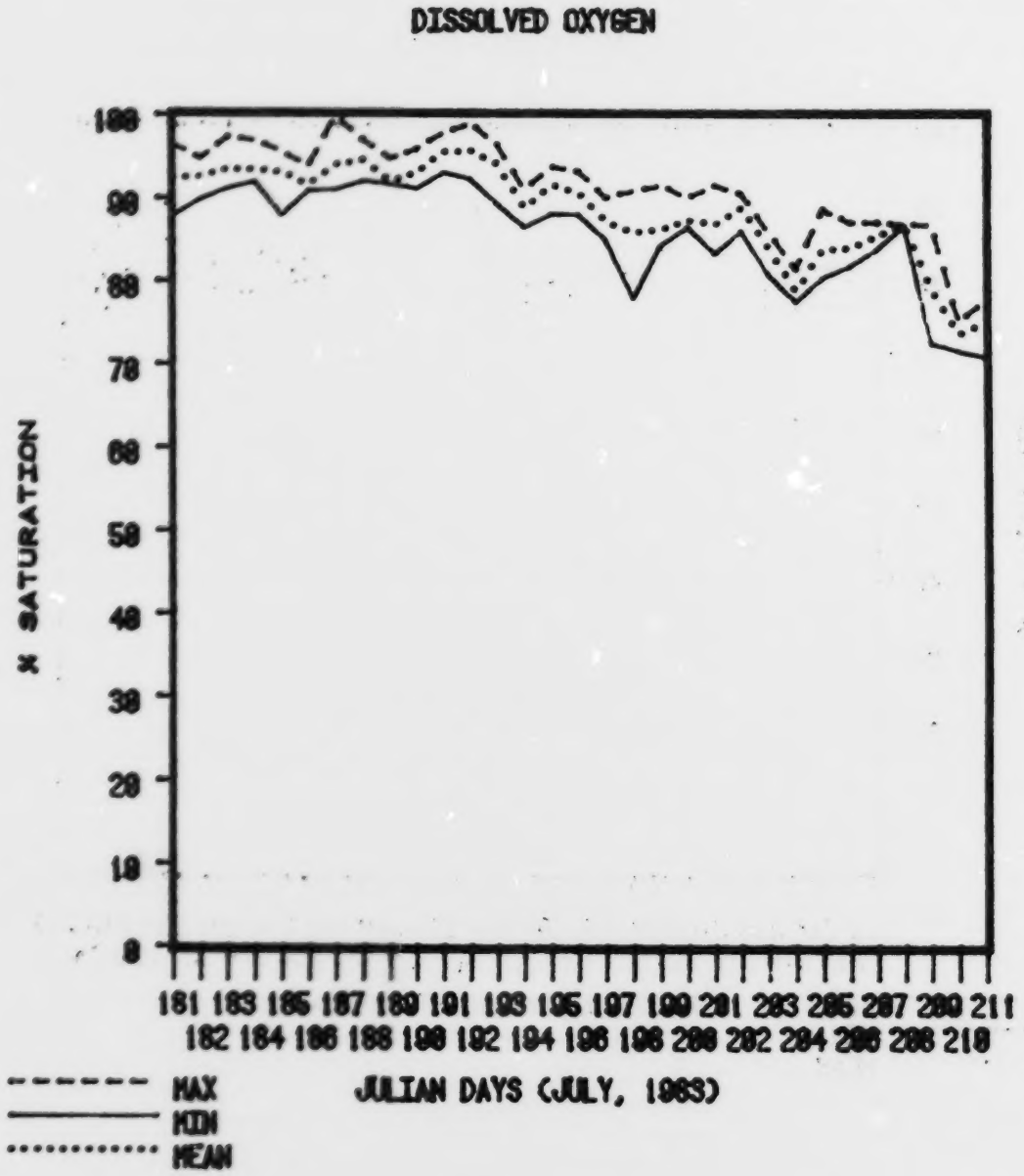
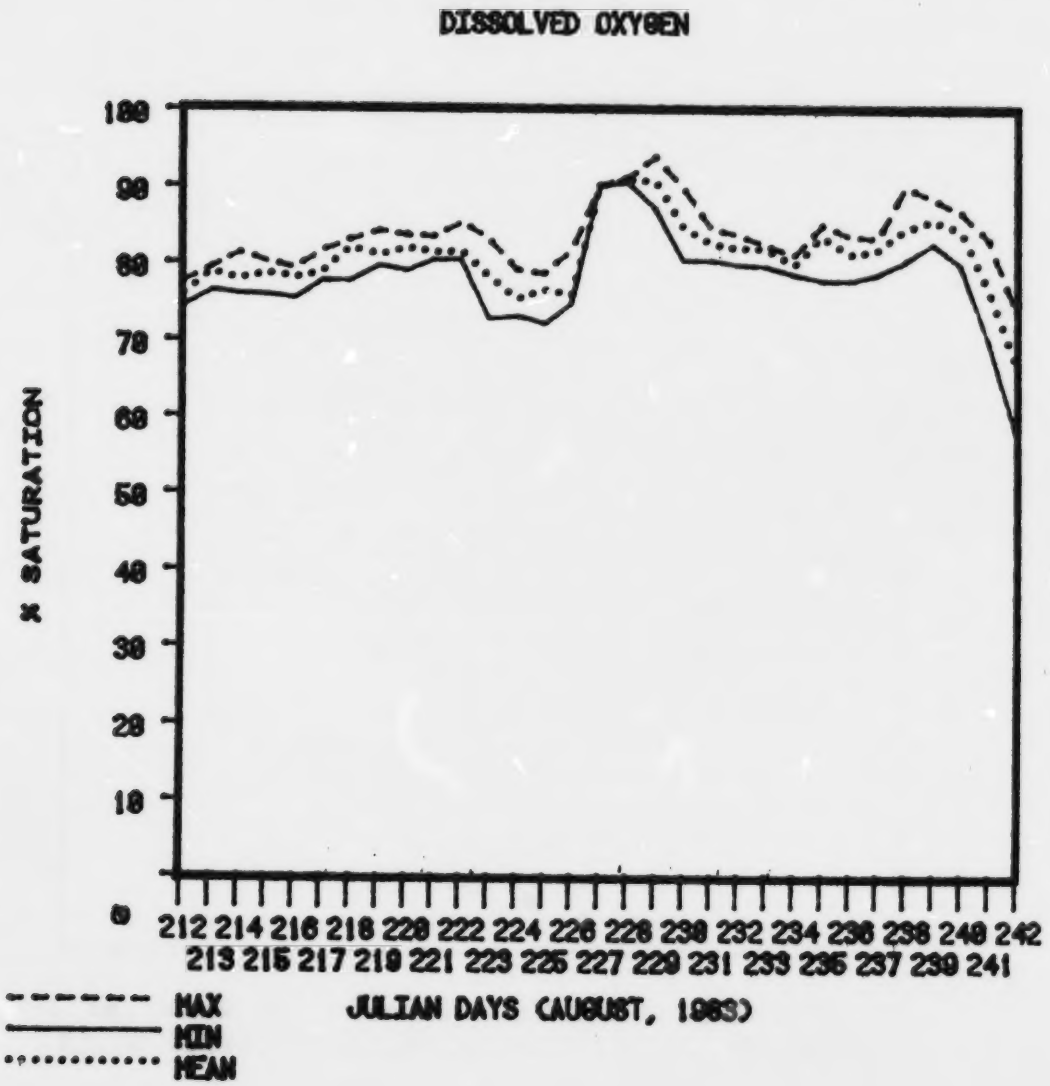
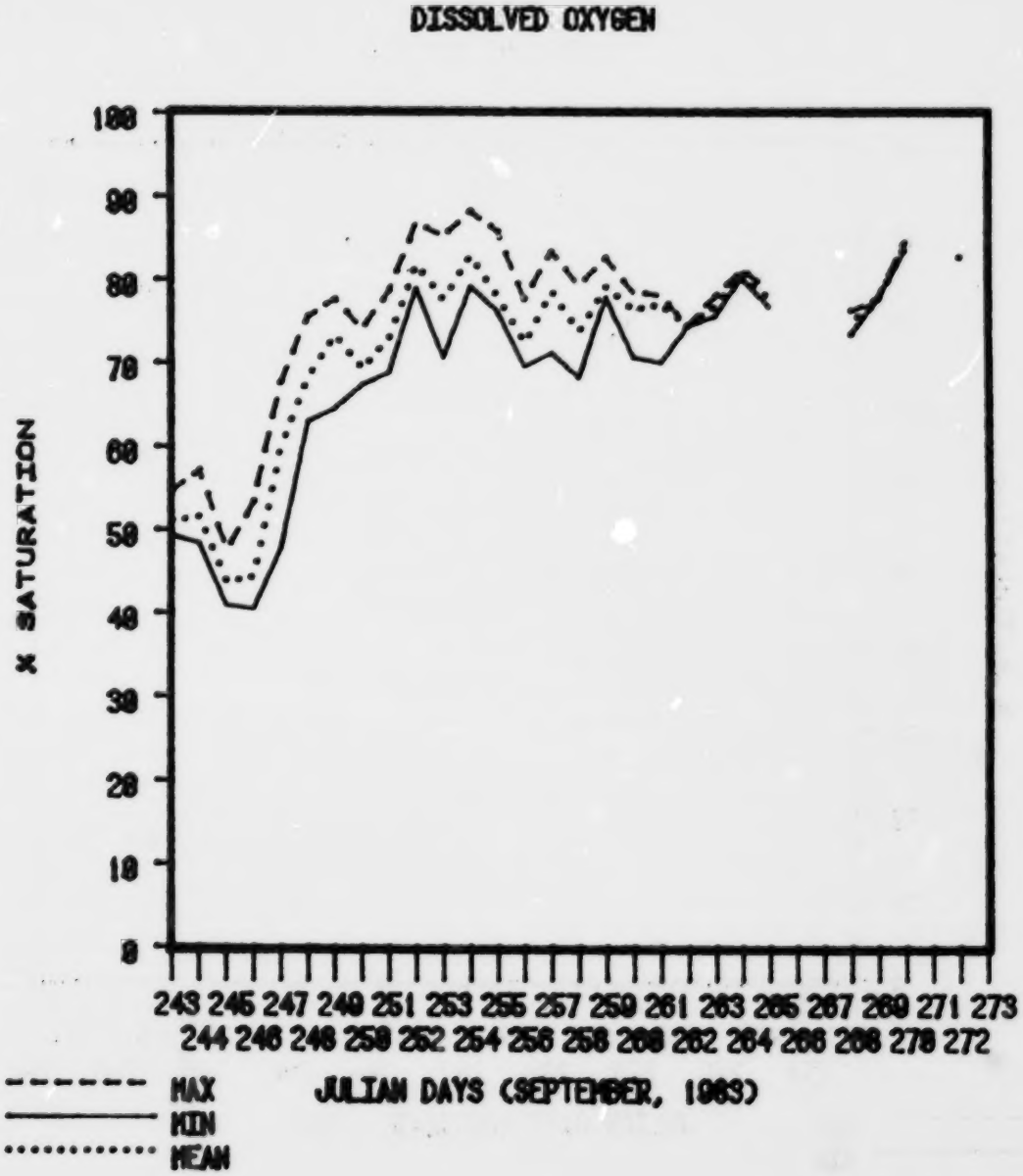
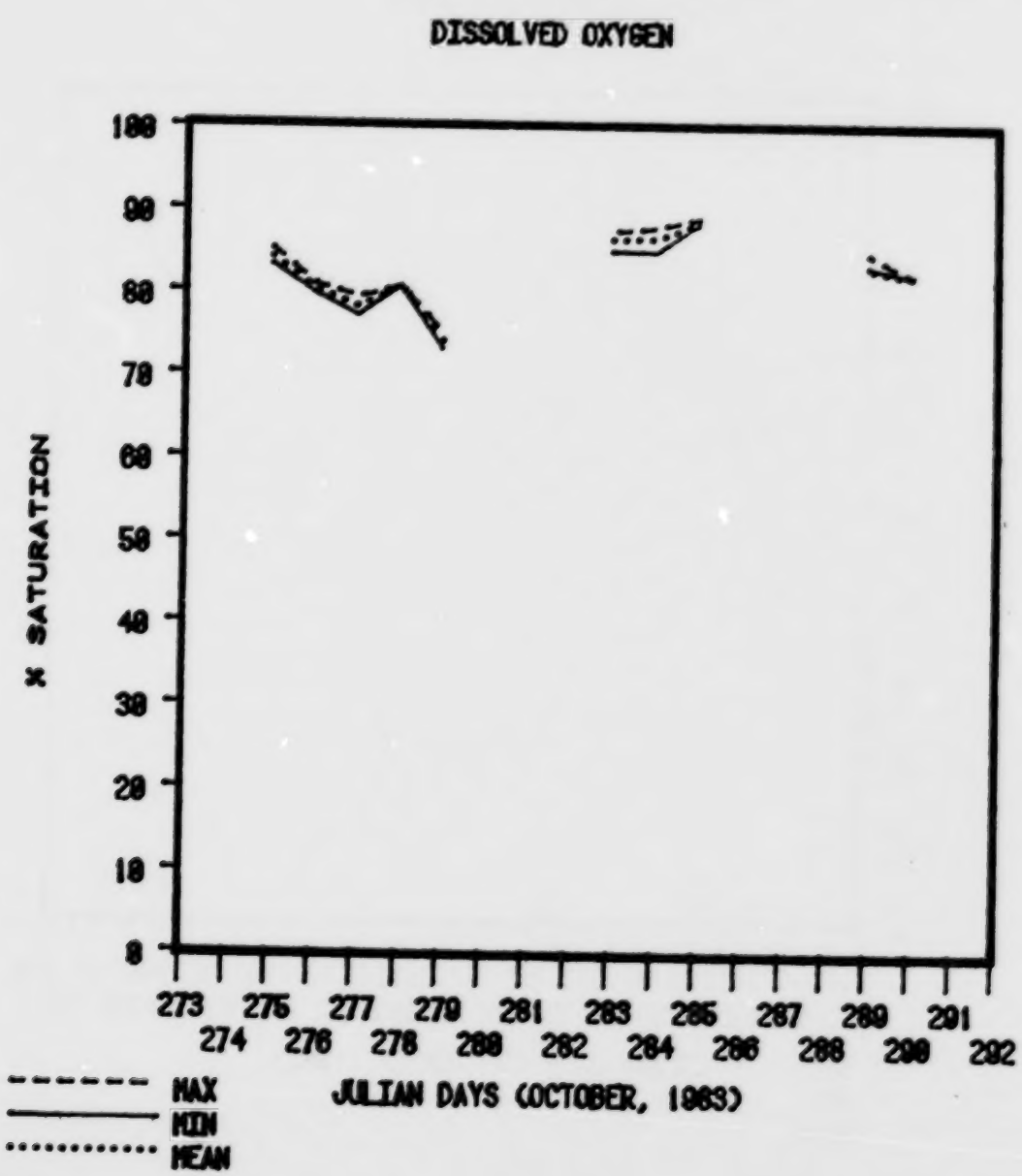


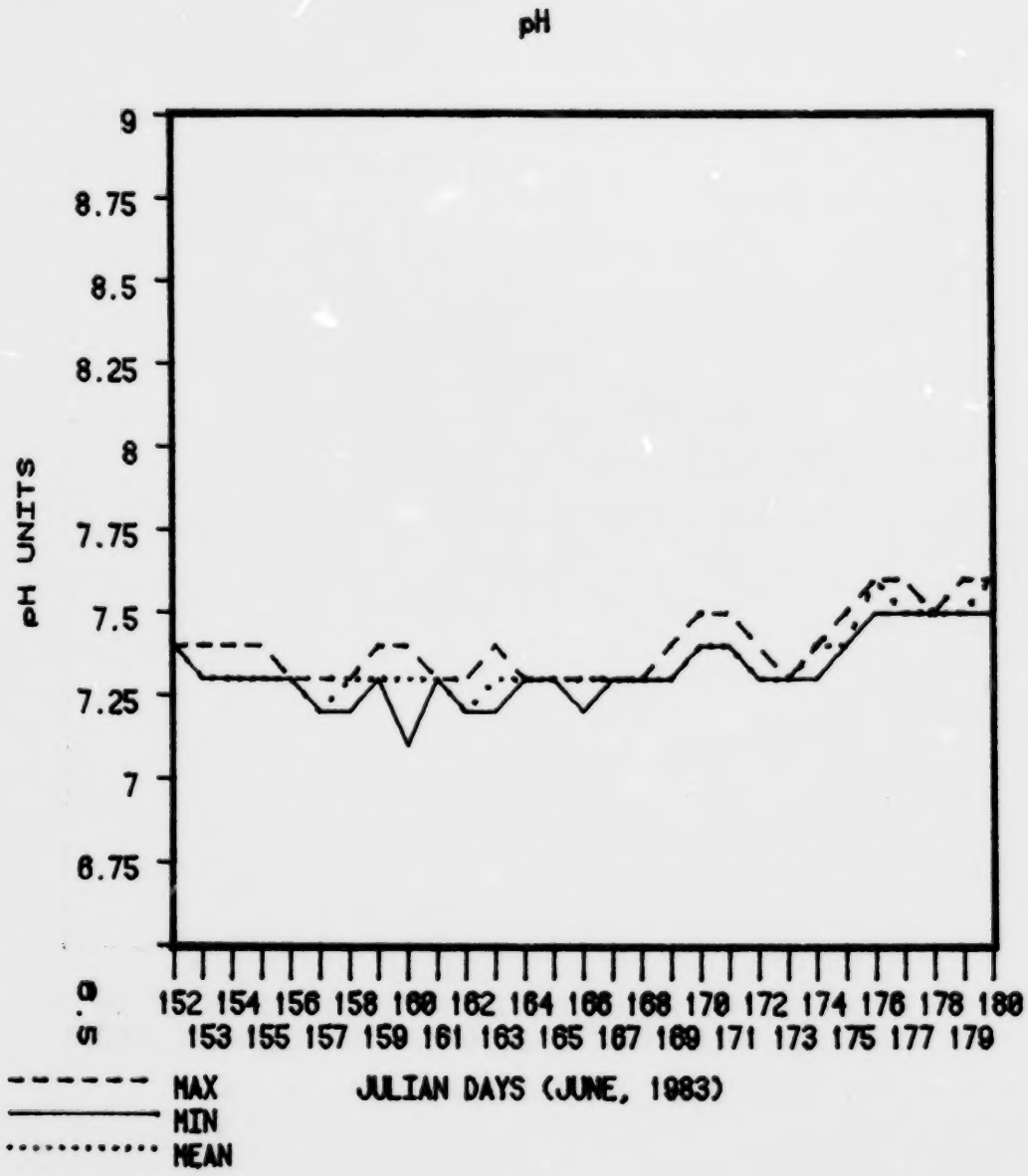

DISSOLVED OXYGEN
% SATURATION
100
90
80
70
60
50
40
30
20
10
0
152 154 156 158 160 162 164 166 168 170 172 174 176 178 180
153 155 157 159 161 163 165 167 169 171 173 175 177 179 181
JULIAN DAYS (JUNE, 1983)
MAX
MIN
MEAN

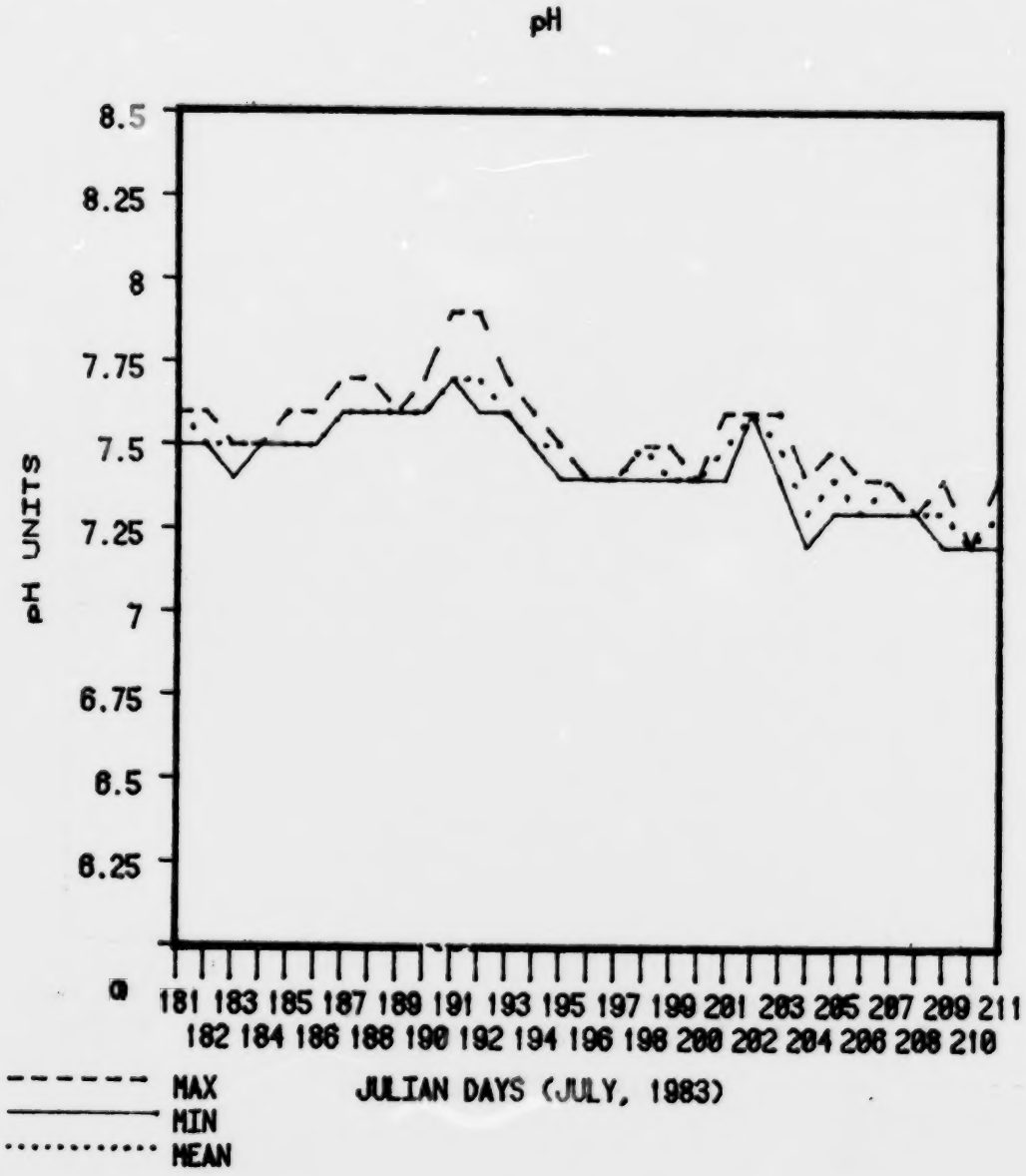

DISSOLVED OXYGEN
% SATURATION
100
90
80
70
60
50
40
30
20
10
0
181 183 185 187 189 191 193 195 197 199 201 203 205 207 209 211
182 184 186 188 190 192 194 196 198 200 202 204 206 208 210
JULIAN DAYS (JULY, 1983)
MAX
MIN
MEAN

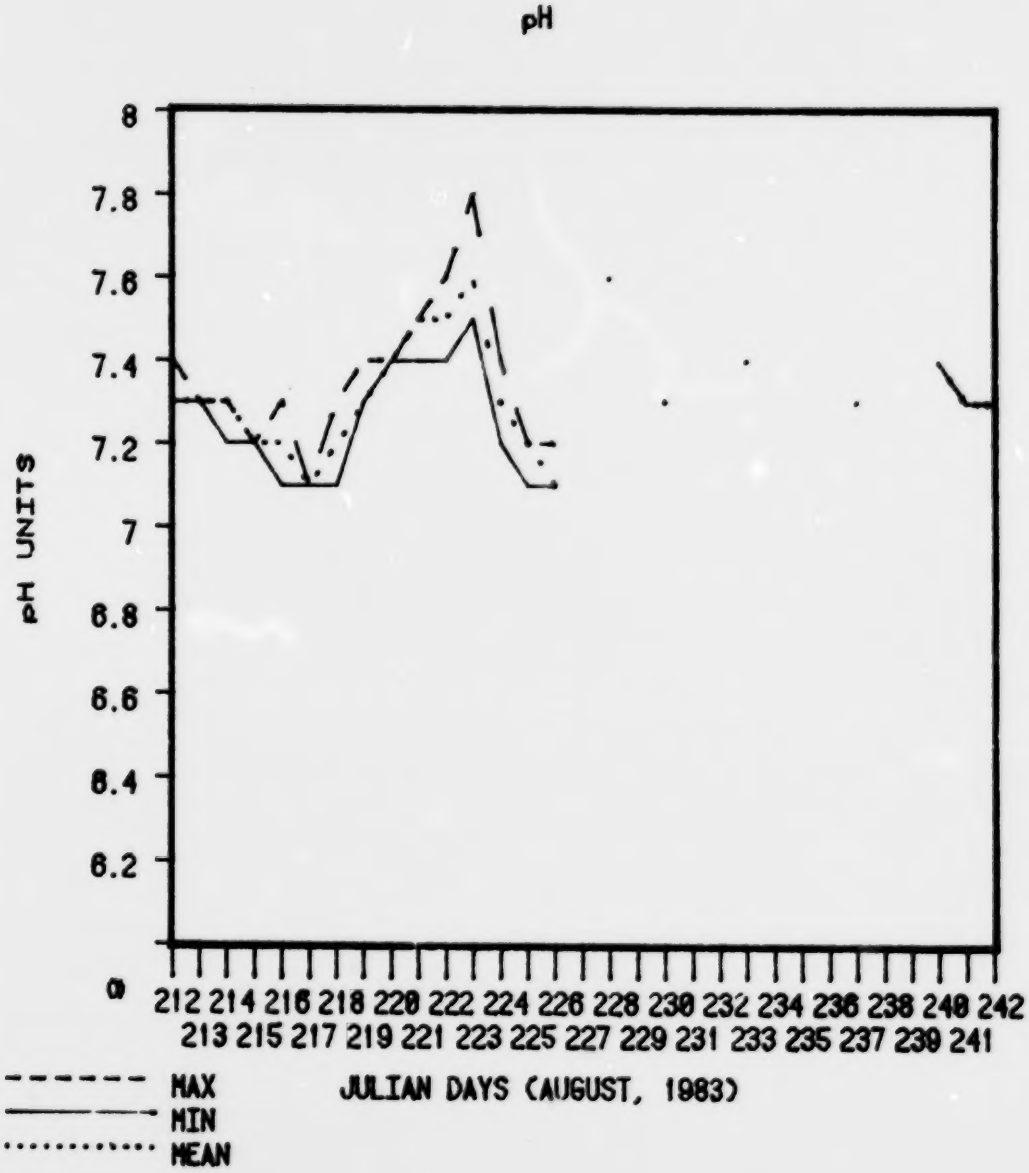

DISSOLVED OXYGEN
% SATURATION
100
90
80
70
60
50
40
30
20
10
0
212 214 216 218 220 222 224 226 228 230 232 234 236 238 240 242
213 215 217 219 221 223 225 227 229 231 233 235 237 239 241
JULIAN DAYS (AUGUST, 1983)
MAX
MIN
MEAN


DISSOLVED OXYGEN
% SATURATION
100
90
80
70
60
50
40
30
20
10
0
243 245 247 249 251 253 255 257 259 261 263 265 267 269 271 273
244 246 248 250 252 254 256 258 260 262 264 266 268 270 272
JULIAN DAYS (SEPTEMBER, 1983)
MAX
MIN
MEAN


DISSOLVED OXYGEN
% SATURATION
100
90
80
70
60
50
40
30
20
10
0
273 275 277 279 281 283 285 287 289 291
274 276 278 280 282 284 286 288 290 292
JULIAN DAYS (OCTOBER, 1983)
MAX
MIN
MEAN


pH
9
8.75
8.5
8.25
8
7.75
7.5
7.25
7
6.75
pH UNITS
152 154 156 158 160 162 164 166 168 170 172 174 176 178 180
153 155 157 159 161 163 165 167 169 171 173 175 177 179
JULIAN DAYS (JUNE, 1983)
MAX
MIN
MEAN


pH
8.5
8.25
8
7.75
7.5
7.25
7
6.75
6.5
6.25
0
pH UNITS
181 183 185 187 189 191 193 195 197 199 201 203 205 207 209 211
182 184 186 188 190 192 194 196 198 200 202 204 206 208 210
JULIAN DAYS (JULY, 1983)
MAX
MIN
MEAN


pH
8
7.8
7.6
7.4
7.2
7
6.8
6.6
6.4
6.2
0
pH UNITS
212 214 216 218 220 222 224 226 228 230 232 234 236 238 240 242
213 215 217 219 221 223 225 227 229 231 233 235 237 239 241
JULIAN DAYS (AUGUST, 1983)
MAX
MIN
MEAN

APPENDIX I

AUTOMATIC WATER QUALITY MONITOR DATA

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 31-May-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	70.7	1600	70.7	1600	70.7	1
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	0	0	0	0	0	0

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 2-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0900	7.40	0900	7.40	16
D.O. %SAT	97.8	2300	97.0	0900	97.5	16
TEMPERATURE	12.5	1500	11.0	0900	12.1	16

ENVIRONMENT CANADA
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 3-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0100	7.30	0900	7.30	24
D.O. %SAT	98.5	2400	97.0	0100	98.1	24
TEMPERATURE	13.0	1500	11.8	0500	12.3	24

ENVIRONMENT CANADA
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 4-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	2300	7.30	0100	7.30	24
D.O. %SAT	98.6	0300	90.0	1900	94.1	24
TEMPERATURE	13.5	1500	12.3	2300	12.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 5-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0100	7.30	1300	7.30	24
D.O. %SAT	93.3	1100	89.0	2300	91.1	24
TEMPERATURE	14.2	1700	12.8	0100	13.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 6-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	2400	7.30	0100	7.30	24
D.O. %SAT	91.5	1400	83.5	2300	88.5	24
TEMPERATURE	15.3	1800	13.6	0500	14.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 7-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	0100	7.20	1100	7.20	24
D.O. %SAT	82.3	0100	76.0	1600	79.4	24
TEMPERATURE	15.6	1700	14.3	2400	15.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 8-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	0800	7.20	0100	7.30	24
D.O. %SAT	82.8	2400	78.0	0100	81.2	24
TEMPERATURE	14.2	0300	13.1	2000	13.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 9-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1500	7.30	0100	7.30	24
D.O. %SAT	83.8	1500	80.0	0500	81.5	15
TEMPERATURE	14.9	1800	12.6	0200	13.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 10-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0100	7.10	1100	7.30	24
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	17.1	1500	12.0	0600	14.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 11-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	2400	7.30	0100	7.30	24
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	16.6	1800	15.0	0800	15.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 12-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	0100	7.20	1200	7.20	24
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	16.7	1900	15.2	0900	15.7	24

ENVIRONMENT CANADA
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 13-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1100	7.20	0100	7.30	24
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	19.4	1400	14.8	0900	16.5	24

ENVIRONMENT CANADA
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 14-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	2400	7.30	0100	7.30	24
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	16.1	0100	14.8	1000	15.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 15-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	2400	7.30	0100	7.30	24
D.O. %SAT	97.8	1000	90.0	2300	92.0	16
TEMPERATURE	18.3	2400	14.7	0800	16.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 16-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1100	7.20	0800	7.30	24
D.O. %SAT	99.6	1600	88.0	0700	94.5	24
TEMPERATURE	20.3	1600	18.2	0100	19.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 17-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	2400	7.30	0100	7.30	24
D.O. %SAT	97.7	0200	78.0	2200	87.9	24
TEMPERATURE	20.2	1700	19.0	0900	19.6	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 18-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	2400	7.30	0100	7.30	24
D.O. %SAT	87.3	1800	76.0	0600	81.2	24
TEMPERATURE	21.5	1700	19.8	0600	20.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 19-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	2400	7.30	0100	7.30	24
D.O. %SAT	80.6	1300	73.0	2100	75.4	24
TEMPERATURE	21.9	2100	20.6	0600	21.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 20-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	82.8	1400	82.8	1400	82.8	1
PH	7.50	1800	7.40	0100	7.40	24
D.O. %SAT	85.3	1200	66.0	0600	80.4	24
TEMPERATURE	21.6	1500	20.4	2300	20.9	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 21-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	85.0	0800	85.0	0800	85.0	1
PH	7.50	0100	7.40	1000	7.40	24
D.O. %SAT	93.7	1200	89.0	2400	90.5	24
TEMPERATURE	22.1	2000	19.6	0600	20.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 22-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	76.0	1100	76.0	1100	76.0	1
PH	7.40	0100	7.30	1200	7.30	24
D.O. %SAT	95.5	1600	88.0	0200	91.3	24
TEMPERATURE	22.3	1700	20.5	0700	21.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 23-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	86.5	1100	86.5	1100	86.5	1
PH	7.30	2400	7.30	1300	7.30	12
D.O. %SAT	96.7	1800	89.9	0500	93.5	24
TEMPERATURE	23.6	2000	20.7	0200	22.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 24-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1000	7.30	0100	7.40	24
D.O. %SAT	100.0	2200	93.0	0800	96.5	24
TEMPERATURE	22.5	1200	21.5	0700	22.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 25-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.50	1500	7.40	0100	7.40	24
D.O. %SAT	100.0	2000	96.0	0600	97.0	24
TEMPERATURE	22.5	0100	20.5	0500	21.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 26-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	0500	7.50	0100	7.60	24
D.O. %SAT	100.0	2000	93.0	1100	97.0	24
TEMPERATURE	22.5	1600	20.5	0200	21.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 27-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	0100	7.50	1200	7.50	24
D.O. %SAT	94.2	0100	88.0	1200	90.5	24
TEMPERATURE	21.5	0100	20.5	0700	21.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 28-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.50	2400	7.50	0100	7.50	24
D.O. %SAT	93.7	2200	89.0	0500	92.4	24
TEMPERATURE	20.5	1500	19.5	0100	20.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 29-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	1600	7.50	0100	7.50	24
D.O. %SAT	100.0	1900	91.0	0400	94.0	24
TEMPERATURE	20.5	1500	18.5	0500	19.6	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 30-Jun-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	1200	7.50	0300	7.60	24
D.O. %SAT	96.8	0200	86.0	1400	91.5	24
TEMPERATURE	20.5	1500	18.5	0500	19.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 1-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	1100	7.50	0600	7.60	24
D.O. %SAT	96.4	2000	87.0	0400	92.3	24
TEMPERATURE	21.4	1900	19.4	0300	20.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 2-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	0100	7.50	0900	7.50	24
D.O. %SAT	94.7	2300	89.0	0700	92.5	24
TEMPERATURE	20.3	0100	20.2	1700	20.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 3-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.50	1300	7.40	1000	7.50	24
D.O. %SAT	97.3	2000	91.0	1200	93.4	24
TEMPERATURE	23.1	1900	19.1	0800	20.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 4-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	101.5	1300	101.5	1300	101.5	1
PH	7.50	1200	7.50	0100	7.50	12
D.O. %SAT	96.9	1800	91.0	0500	93.3	24
TEMPERATURE	23.7	1800	21.0	0400	22.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 5-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	1300	7.50	0100	7.50	20
D.O. %SAT	95.5	2100	87.0	0800	93.0	24
TEMPERATURE	22.5	1300	21.2	2400	22.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 6-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	1500	7.50	0200	7.50	24
D.O. %SAT	93.7	2000	90.0	0500	91.5	24
TEMPERATURE	22.6	2400	21.3	0100	21.9	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 7-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	99.6	0900	99.6	0900	99.6	1
PH	7.70	1500	7.60	0100	7.60	24
D.O. %SAT	99.8	1700	91.0	0500	94.0	24
TEMPERATURE	23.9	1500	21.8	0600	22.9	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 8-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.70	0100	7.60	0600	7.60	24
D.O. %SAT	97.0	1600	92.0	0600	94.5	24
TEMPERATURE	22.4	0100	22.0	0900	22.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 9-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	2400	7.60	0100	7.60	24
D.O. %SAT	94.7	0700	91.0	0800	92.0	24
TEMPERATURE	21.8	1800	20.5	0800	21.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 10-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.70	1500	7.60	0100	7.60	24
D.O. %SAT	95.9	2400	91.0	0500	93.0	24
TEMPERATURE	20.9	0100	19.9	0400	20.2	24

ENVIRONMENT CANADA
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 11-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	128.0	0900	128.0	0900	128.0	1
PH	7.90	2000	7.70	0100	7.70	18
D.O. %SAT	97.8	2300	93.0	0400	95.5	24
TEMPERATURE	22.5	1600	19.4	0700	20.7	24

ENVIRONMENT CANADA
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 12-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.90	2100	7.60	0900	7.70	24
D.O. %SAT	99.0	1600	92.0	0900	95.7	24
TEMPERATURE	22.3	1600	19.5	1100	20.6	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 13-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.70	0100	7.60	0900	7.60	24
D.O. %SAT	96.4	0700	89.0	2100	94.0	24
TEMPERATURE	19.9	0100	18.6	2000	19.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 14-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	1800	7.50	0400	7.50	24
D.O. %SAT	91.0	2400	86.0	0300	88.7	24
TEMPERATURE	19.7	1300	18.6	0100	19.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 15-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	124.6	1100	124.6	1100	124.6	1
PH	7.50	0100	7.40	1800	7.50	24
D.O. %SAT	93.7	1500	88.0	0300	91.5	24
TEMPERATURE	20.0	2300	19.7	0100	19.8	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 16-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	2400	7.40	0100	7.40	24
D.O. %SAT	93.1	1700	87.0	1200	90.5	24
TEMPERATURE	21.3	2300	20.0	0100	20.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 17-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	2400	7.40	0100	7.40	24
D.O. %SAT	90.0	1400	84.0	0700	87.1	24
TEMPERATURE	22.6	1800	20.3	0300	21.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 18-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.50	1300	7.40	0100	7.50	24
D.O. %SAT	90.8	0100	77.0	1400	85.8	24
TEMPERATURE	23.0	2200	20.6	0100	21.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 19-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	112.0	1700	112.0	1700	112.0	1
PH	7.50	1900	7.40	0400	7.40	24
D.O. %SAT	91.5	1900	84.0	100	86.2	24
TEMPERATURE	22.6	1500	20.9	1000	21.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 20-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	108.0	0900	108.0	0900	108.0	1
PH	7.40	2400	7.40	0100	7.40	24
D.O. %SAT	90.0	1600	86.0	0800	87.3	24
TEMPERATURE	21.2	2100	21.0	0800	21.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 21-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	111.0	0800	111.0	0800	111.0	1
PH	7.60	0900	7.40	0100	7.50	24
D.O. %SAT	91.5	1400	83.0	0500	86.8	24
TEMPERATURE	22.4	1500	20.3	0200	21.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 22-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	2400	7.60	0100	7.60	24
D.O. %SAT	90.5	0100	86.0	2400	88.9	24
TEMPERATURE	21.2	1800	20.2	2300	20.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 23-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	0100	7.40	2300	7.50	24
D.O. %SAT	80.9	0100	80.0	2400	80.9	24
TEMPERATURE	20.2	0100	19.1	2200	19.6	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 24-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0100	7.20	0600	7.30	24
D.O. %SAT	81.4	1900	77.0	1200	78.8	24
TEMPERATURE	19.1	0100	18.0	0600	18.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 25-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.50	2200	7.30	0100	7.40	24
D.O. %SAT	88.6	2000	80.0	0500	83.8	24
TEMPERATURE	19.9	1400	18.9	0300	19.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 26-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0100	7.30	0900	7.30	24
D.O. %SAT	87.0	2200	81.0	1000	84.0	24
TEMPERATURE	20.7	1600	18.8	0400	19.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 27-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1200	7.30	0100	7.40	24
D.O. %SAT	87.0	0100	83.0	0700	85.5	24
TEMPERATURE	20.7	0100	19.6	2100	20.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 28-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	2400	7.30	0100	7.30	24
D.O. %SAT	86.8	0100	86.0	2300	86.8	24
TEMPERATURE	21.4	1500	19.5	0100	20.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 29-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1200	7.20	1800	7.30	24
D.O. %SAT	86.7	0100	72.0	2400	78.9	24
TEMPERATURE	21.3	0100	20.3	0500	20.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 30-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.20	2400	7.20	0100	7.20	24
D.O. %SAT	75.1	2000	71.0	0800	73.6	24
TEMPERATURE	21.2	2400	21.2	0100	21.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 31-Jul-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1300	7.20	0100	7.30	24
D.O. %SAT	78.1	2000	70.0	0600	75.2	24
TEMPERATURE	22.1	1500	20.2	0400	21.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 1-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0100	7.30	0500	7.30	24
D.O. %SAT	77.6	2400	74.0	1100	75.9	24
TEMPERATURE	21.1	0100	21.0	1700	21.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 2-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	2400	7.30	0100	7.30	24
D.O. %SAT	79.4	2100	76.0	2200	78.8	24
TEMPERATURE	21.0	0100	20.9	1800	21.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 3-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	0100	7.20	2400	7.30	24
D.O. %SAT	81.3	2000	75.0	0500	77.9	24
TEMPERATURE	21.8	1300	20.8	1000	21.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 4-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.20	2400	7.20	0100	7.20	24
D.O. %SAT	80.1	2100	75.0	0700	78.6	24
TEMPERATURE	21.7	0100	20.6	2400	21.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 5-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1400	7.10	0700	7.20	24
D.O. %SAT	79.3	2400	75.0	0700	78.1	24
TEMPERATURE	22.5	1800	20.6	0100	21.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 6-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.10	2400	7.10	0100	7.10	24
D.O. %SAT	81.7	1800	77.0	0500	78.9	24
TEMPERATURE	22.6	1500	21.6	0100	22.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 7-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1300	7.10	0100	7.20	24
D.O. %SAT	83.1	2300	77.0	0800	82.0	24
TEMPERATURE	23.7	1800	21.7	0100	22.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 8-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	2300	7.30	0100	7.30	24
D.O. %SAT	84.2	2200	79.0	0100	81.1	24
TEMPERATURE	23.8	1500	22.8	0100	23.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 9-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	2400	7.40	0100	7.40	24
D.O. %SAT	83.6	2000	79.0	0600	81.9	24
TEMPERATURE	23.2	2200	22.0	0800	23.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 10-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.50	0300	7.40	0100	7.50	24
D.O. %SAT	83.4	2400	80.0	0600	81.4	24
TEMPERATURE	22.9	0100	21.5	2400	22.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 11-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	1700	7.40	0100	7.50	24
D.O. %SAT	83.3	1900	80.0	0500	81.5	24
TEMPERATURE	23.2	1200	22.2	0100	22.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 12-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.80	1100	7.50	0100	7.60	24
D.O. %SAT	83.2	0700	72.0	2300	78.3	24
TEMPERATURE	21.5	0100	20.4	2200	21.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 13-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1500	7.20	2300	7.30	24
D.O. %SAT	79.1	1900	73.0	0100	75.3	24
TEMPERATURE	21.4	1600	19.5	0600	20.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 14-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.20	0100	7.10	1800	7.20	24
D.O. %SAT	78.6	1300	72.0	0600	76.3	24
TEMPERATURE	21.4	1600	19.5	0500	20.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 15-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.20	0900	7.10	0100	7.10	12
D.O. %SAT	81.8	1000	74.0	0100	75.9	10
TEMPERATURE	22.5	1700	20.5	0100	21.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 16-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	90.2	0900	90.0	0900	90.2	1
TEMPERATURE	23.9	1700	20.8	0100	22.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 17-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.60	1300	7.60	1300	7.60	1
D.O. %SAT	91.2	2200	90.0	1100	90.9	14
TEMPERATURE	22.0	0100	21.0	0600	21.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 18-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	93.9	2000	87.0	1800	90.7	24
TEMPERATURE	22.4	1800	21.1	0800	21.6	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 19-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	0800	7.30	0800	7.30	1
D.O. %SAT	89.9	0100	80.0	1000	84.7	24
TEMPERATURE	22.4	1800	21.3	0700	21.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 20-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	84.6	1700	80.0	0900	82.6	24
TEMPERATURE	22.8	1600	21.4	0800	22.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 21-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	83.7	2300	79.0	1000	81.9	24
TEMPERATURE	21.9	0100	20.9	1000	21.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 22-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1000	7.40	1000	7.40	1
D.O. %SAT	82.4	0100	79.0	1100	81.9	24
TEMPERATURE	20.6	0100	9.7	2300	20.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 23-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	81.1	2000	78.0	1400	79.8	24
TEMPERATURE	20.2	1800	19.4	0800	19.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 24-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	83.0	1800	77.0	2300	83.6	24
TEMPERATURE	21.0	1800	18.7	0900	19.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 25-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	83.6	1500	77.7	0900	81.2	24
TEMPERATURE	20.7	2100	19.1	0600	20.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 26-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1000	7.30	1000	7.30	1
D.O. %SAT	83.2	2200	78.0	0200	81.8	24
TEMPERATURE	19.6	0100	18.8	1200	19.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 27-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	90.0	2300	80.0	0600	84.5	24
TEMPERATURE	20.2	2300	18.3	1300	19.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 28-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	88.4	0100	82.0	1600	85.7	24
TEMPERATURE	19.8	0100	18.9	0700	19.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 29-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1000	7.40	1000	7.40	1
D.O. %SAT	86.7	0200	79.0	2200	84.3	24
TEMPERATURE	19.7	1700	18.7	0900	19.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 30-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	0800	7.30	0800	7.30	1
D.O. %SAT	83.2	0100	70.0	1700	76.7	24
TEMPERATURE	19.7	2000	18.4	1000	19.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 31-Aug-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	
PH	7.30	1100	7.30	1100	7.30	1
D.O. %SAT	73.9	0100	57.0	2400	66.8	21
TEMPERATURE	19.2	0100	18.3	2200	18.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 1-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	54.7	0100	49.0	2400	51.0	24
TEMPERATURE	19.1	1700	18.2	0400	18.8	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 2-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.10	1000	7.10	1000	7.10	1
D.O. %SAT	57.1	1500	48.0	2400	51.5	14
TEMPERATURE	19.8	2000	18.0	0500	19.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 3-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	47.5	0300	40.0	2100	43.7	24
TEMPERATURE	20.3	1800	19.1	0800	19.7	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 4-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	53.3	2000	40.0	0900	44.3	24
TEMPERATURE	22.0	1800	19.0	0500	21.0	24

ENVIRONMENT CANADA
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 5-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	67.7	1900	47.0	0700	59.9	24
TEMPERATURE	23.0	2000	20.0	0700	22.2	24

ENVIRONMENT CANADA
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 6-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	1400	7.30	0900	7.50	8
D.O. %SAT	75.6	1700	63.0	1900	68.3	24
TEMPERATURE	22.7	1700	20.7	0900	21.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 7-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	77.7	1400	64.0	0400	73.3	24
TEMPERATURE	21.8	1200	20.7	0400	21.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 6-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1600	7.30	1300	7.30	4
D.O. %SAT	74.0	2200	67.0	1100	69.2	24
TEMPERATURE	20.5	0100	19.3	2300	20.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 9-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.20	1100	7.10	1000	7.20	7
D.O. %SAT	76.7	2400	68.0	0800	73.1	24
TEMPERATURE	19.7	1300	18.7	0700	19.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 10-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	86.8	1900	79.0	0100	81.8	24
TEMPERATURE	20.9	1800	19.4	0100	20.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 11-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	85.2	0400	70.6	1000	77.6	24
TEMPERATURE	20.7	2000	19.7	0500	20.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 12-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1600	7.30	0900	7.30	8
D.O. %SAT	88.2	1700	79.0	0100	82.9	24
TEMPERATURE	20.2	1800	19.2	0900	20.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 13-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0900	7.30	1500	7.40	8
D.O. %SAT	85.8	0400	76.0	2300	77.9	21
TEMPERATURE	20.0	0100	18.2	2400	19.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 14-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1200	7.30	0900	7.30	4
D.O. %SAT	77.7	0600	69.0	1700	72.4	24
TEMPERATURE	18.9	1500	17.0	0800	18.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 15-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1600	7.30	1300	7.30	4
D.O. %SAT	83.4	1100	71.0	0900	78.6	24
TEMPERATURE	17.7	1600	16.2	0900	17.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 16-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1400	7.20	0900	7.20	8
D.O. %SAT	79.3	1200	68.0	1800	73.8	24
TEMPERATURE	17.2	1500	15.3	0900	16.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 17-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	82.6	0600	78.0	2400	79.2	24
TEMPERATURE	15.9	0100	15.3	2200	15.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 18-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	78.5	2100	70.0	1100	76.4	24
TEMPERATURE	15.4	1300	15.1	2200	15.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 19-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1000	7.20	1200	7.30	8
D.O. %SAT	78.1	0100	70.0	1400	77.1	24
TEMPERATURE	16.0	1900	14.9	0800	15.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 20-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.30	1400	7.30	0800	7.30	7
D.O. %SAT	74.5	0900	74.0	0900	74.5	1
TEMPERATURE	16.1	1700	15.0	0900	15.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 21-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.40	0800	7.30	1200	7.40	7
D.O. %SAT	78.1	1300	75.0	0800	76.9	2
TEMPERATURE	16.5	1900	14.8	0800	15.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 22-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.20	1400	7.20	0900	7.20	6
D.O. %SAT	81.3	1300	80.0	0800	80.3	2
TEMPERATURE	15.9	0100	14.4	2400	15.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 23-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	151.0	1000	149.0	1300	150.0	2
PH	7.30	1400	7.30	1000	7.30	3
D.O. %SAT	78.8	1000	76.0	1300	77.7	2
TEMPERATURE	14.3	1300	13.4	0900	14.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 24-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	14.7	1800	13.8	2400	14.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 25-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	14.8	1800	13.6	0200	14.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 26-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	132.0	1300	126.0	0800	129.0	2
PH	7.20	1400	7.20	0800	7.20	2
D.O. %SAT	76.3	1300	73.0	0800	74.9	2
TEMPERATURE	14.1	1500	13.5	0500	13.9	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 27-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	112.0	1300	112.0	1300	112.0	1
PH	0	0	0	0	0	0
D.O. %SAT	77.8	1300	77.8	1300	77.8	1
TEMPERATURE	13.7	0100	13.3	2200	13.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 28-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	106.0	1300	106.0	0800	106.0	2
PH	7.10	1600	7.10	1300	7.10	4
D.O. %SAT	84.6	1300	83.0	0900	84.1	2
TEMPERATURE	13.3	0100	12.1	2400	12.8	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 29-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	106.0	0900	100.0	1300	103.0	2
PH	7.30	0800	7.20	1200	7.20	5
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	13.3	1700	11.8	0200	12.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 30-Sep-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	7.10	1600	7.10	0900	7.10	8
D.O. %SAT	83.6	1300	82.0	0900	83.1	2
TEMPERATURE	12.7	1900	12.0	0600	12.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 1-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	13.8	1800	12.5	0100	13.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 2-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	14.0	2000	12.3	0600	13.0	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 3-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	125.0	1300	108.0	1000	116.5	2
PH	7.20	1400	7.20	0800	7.20	7
D.O. %SAT	85.1	1300	83.0	0900	84.1	2
TEMPERATURE	14.1	1500	12.4	0600	13.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 4-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	150.0	1300	124.0	0800	137.0	2
PH	7.10	1400	7.10	0800	7.10	7
D.O. %SAT	80.8	0800	79.0	1300	80.2	2
TEMPERATURE	13.6	1500	13.0	0700	13.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 5-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	131.0	0900	129.0	1300	130.0	2
PH	7.30	1300	7.00	0900	7.20	4
D.O. %SAT	79.3	1300	77.0	0900	78.1	2
TEMPERATURE	13.5	2300	13.3	0600	13.4	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 6-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	130.0	1300	130.0	1300	130.0	1
PH	7.20	1600	7.20	1300	7.20	4
D.O. %SAT	80.7	1300	80.0	1300	80.7	1
TEMPERATURE	13.6	2300	13.5	0100	13.5	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 7-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	132.0	1700	132.0	1300	132.0	2
PH	8.70	1800	8.70	1300	8.70	3
D.O. %SAT	74.9	1300	73.0	1500	73.7	3
TEMPERATURE	13.6	0100	12.7	2400	13.2	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 8-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	12.7	0100	10.7	2400	11.6	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 9-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	10.7	0100	9.8	2400	10.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 10-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	9.9	1600	9.5	2100	9.6	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 11-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	88.0	1300	88.0	1300	88.0	1
PH	8.40	0800	8.30	1100	8.30	7
D.O. %SAT	87.4	0800	85.0	1700	86.4	3
TEMPERATURE	9.5	0100	9.1	2200	9.3	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 12-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	98.0	0800	97.0	1300	98.0	2
PH	8.20	1200	8.10	0800	8.10	7
D.O. %SAT	87.8	1700	84.0	1300	86.5	3
TEMPERATURE	9.0	0100	8.2	2400	8.6	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 13-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	9.3	1400	8.8	0100	9.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 15-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	9.2	2400	9.0	0700	9.1	24

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 16-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	9.7	1600	9.2	0100	9.3	17

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 17-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	103.0	1300	99.0	0900	101.0	2
PH	7.20	1400	7.20	0900	7.20	6
D.O. %SAT	84.7	0600	83.0	1300	82.9	3
TEMPERATURE	9.9	1600	9.8	0800	9.8	9

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 18-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	82.0	0800	82.0	0800	82.0	1
TEMPERATURE	0	0	0	0	0	0

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 19-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	0	0	0	0	0	0
PH	0	0	0	0	0	0
D.O. %SAT	0	0	0	0	0	0
TEMPERATURE	0	0	0	0	0	0

ENVIRONMENT CANADA
****
WATER QUALITY BRANCH (MONCTON)

STATION #9-- ST. JOHN RIVER AT GRAND FALLS

DATE OF REPORT: 20-Oct-83

SUMMARY REPORT

PARAMETER	MAXIMUM VALUE	MAXIMUM HOUR	MINIMUM VALUE	MINIMUM HOUR	MEAN	NO. OF SAMPLES
CONDUCTIVITY	93.0	0800	93.0	0800	[illegible]	1
PH	7.10	0900	7.10	0200	7.10	2
D.O. %SAT	81.4	0800	81.4	0200	81.4	2
TEMPERATURE	7.8	1200	7.8	0800	7.8	5